

**Abstract**

A process of producing a stable composition comprising a mixture of sulfated estrogens. The mixture of sulfated estrogens may comprise sulfated alkali metal salts of  $\Delta^{8,9}$ -dehydroestrone, estrone, and derivatives thereof or other estrogens. The process comprises the steps of sulfating such mixture of alkali metal salts of  $\Delta^{8,9}$ -dehydroestrone, estrone, and derivatives thereof with a sulfur trioxide complex and adding tris(hydroxymethyl)aminomethane.